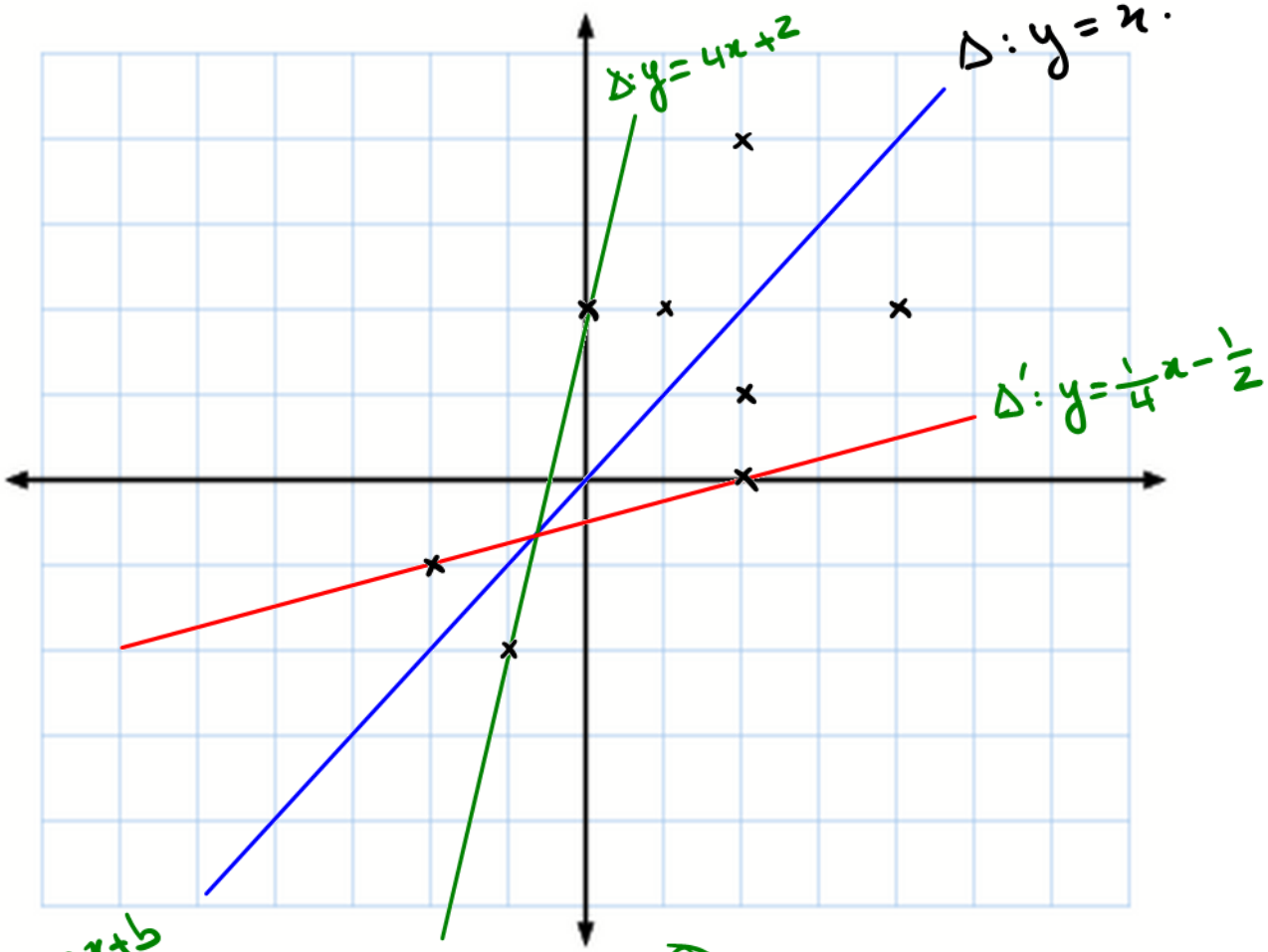
Construction de $C_{f^{-1}}$

$\mathcal{C}_{f^{-1}} = S_\Delta(\mathcal{C}_f)$ avec $\Delta : y = x$.



$\Delta : y = ax + b \longrightarrow \Delta' : y = \frac{1}{a}x + \frac{b}{a}$.

$f(x_0) = y_0 \Leftrightarrow f^{-1}(y_0) = x_0$

$f'(x_0) = a$

$$\left(f^{-1}\right)'(y_0) = \frac{1}{a} = \frac{1}{f'(x_0)}$$

$$= \frac{1}{f'\left(f^{-1}(y_0)\right)}$$

$$\left(f^{-1}\right)'(x) = \frac{1}{f'\left(f^{-1}(x)\right)}$$